

Docket No.: 6847 US 1**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**COARSE REPRESENTATION OF VISUAL OBJECT'S SHAPE FOR SEARCH/QUERY/FILTERING APPLICATIONS**

the specification of which:

(check one)  X is attached hereto.

       was filed on                     , 19       as Application Serial No.                       
and was amended on                      (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I have identified below any foreign application(s) for patent or inventor's certificate from which I claim foreign priority benefits under Title 35, United States Code, Section 119 and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed
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(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
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(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of the above-identified specification is not disclosed in the prior United States application(s) in the manner required by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

<u>60/118,386</u> (Application Serial No.)	<u>February 1, 1999</u> (Filing Date)	<u>Pending provisional</u> (Status-patented, pending, abandoned)
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<u>                    </u> (Application Serial No.)	<u>                    </u> (Filing Date)	<u>                    </u> (Status-patented, pending, abandoned)
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I hereby appoint the following attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Francis I. Gray, Reg. No. 27,788 at telephone no. (503) 627-7261, P.O. Box 500, Delivery Station 50-LAW, Beaverton, Oregon 97077.

Address all telephone calls to Peter D. Symes at Telephone no. (530) 478-3437.

Address all correspondence to Peter D. Symes, Manager, Advanced Technology, Grass Valley (U.S.) Inc., P.O. Box 599000, 400 Providence Mine Road, Nevada City, California 95959-7900.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor THUMPUDI NAVVEEN  
Inventor's signature Navneen Date 1/13/2000  
Residence Redmond, Washington Citizenship India  
Address 1406 156<sup>th</sup> Avenue NE #3311 PP248  
Redmond, Washington 98052

Full name of second inventor ANIL M. MURCHING  
Inventor's signature Anil M. Murching Date 01/03/2000  
Residence Beaverton, Oregon Citizenship India  
Address 930 S.W. 163<sup>rd</sup> Avenue, #335  
Beaverton, Oregon 97006

Full name of third inventor ALI TABATABAI  
Inventor's signature Ali Tabatabai Date 1/13/2000  
Residence Beaverton, Oregon Citizenship U.S.A.  
Address 10495 S.W. 155<sup>th</sup> Avenue  
Beaverton, Oregon 97007

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## ASSIGNMENT DECLARATION

WHEREAS, I/WE THUMPUUDI NAVEEN residing at 1406 156<sup>th</sup> Avenue N.E., #1261, Redmond, Washington 98052; ANIL M. MURCHING residing at 930 S.W. 169<sup>rd</sup> Avenue, #335, Beaverton, Oregon 97008; and ALI TABATABAI residing at 10495 S.W. 155<sup>th</sup> Avenue, Beaverton, Oregon 97007, have invented certain new and useful improvements in **COARSE REPRESENTATION OF VISUAL OBJECT'S SHAPE FOR SEARCH/QUERY/FILTERING APPLICATIONS**

for which I/we:

- have executed an application for Letters Patent of the United States of even date herewith;
- have filed an application for Letters Patent of the United States on February 1, 1999 under Serial No. 60/118,386; and

Grass Valley (U.S.) Inc., (hereinafter called Assignee), a Delaware corporation whose address is 400 Providence Mine Road, Nevada City, California 95959 desires to acquire my/our entire right, title and interest in and to said improvements and said application;

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, I/we hereby assign and transfer to Assignee my/our entire right, title and interest in and to said improvements throughout the world, and in and to said application, including any continuation(s) or division(s) thereof, and any Letters Patent or other protective right(s) that may be granted therefor in the United States and in any and all foreign countries, including the right to file in foreign countries applications for protection of said improvements claiming priority from said applications.

I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and corresponding officials in any and all foreign countries to issue said Letters Patent(s) or protective right(s) to Assignee as the assignee of my/our entire right, title and interest therein, for the sole use and benefit of Assignee.

I/We hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.

I/We hereby agree to communicate to Assignee or its legal representatives any facts known to me/us relating to said improvements, to testify as to the same in any interference or legal proceeding concerned therewith, to execute promptly and deliver to Assignee or its legal representatives upon request any and all papers, instruments, declarations and affidavits required to apply for, obtain, maintain and enforce Letters Patent(s) or other protective right(s) for said improvements throughout the world, and generally to do everything necessary or desirable to vest and perfect title thereto in Assignee.

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This assignment is binding upon me/us and my/our heirs, successors and personal representatives, and shall inure to the benefit of Assignee, its successors, assigns and nominees.

IN TESTIMONY WHEREOF, I/We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: 1/13/2000

Signature: Naveen  
(Thirupudi Naveen - Inventor)

Witnessed by: Shalinithandamuthu  
(Print Name)

Shalin  
Signature

1/13/2000  
Date

Date: 01/02/2000

Signature: Anil M Murching  
(Anil M. Murching - Inventor)

Witnessed by: Nathanael Rodrigues  
(Print Name)

Nathanael Rodrigues  
Signature

1/13/2000  
Date

Date: 1/30/2000

Signature: Ali Tabatabai  
(Ali Tabatabai - Inventor)

Witnessed by: Zahab TABATABAI  
(Print Name)

Zahab TABATABAI  
Signature

1/30/2000  
Date